

The wind turbine



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onshore construction

less opposition than

3-SECOND SURVEY

that the energy in the wind makes sense to find a is put to good use. technology to make sure

3-MINUTE OVERVIEW be enough on its own

nations - does need to be as it is - and it can boost of energy, too. of communities and the energy independence So wind power, important topple. Sometimes the and the windmills may places it blows too fiercely unreliable wind. In some because many places have balanced by other sources wind doesn't blow at all

the 30-second history

THE WIND TURBINE

of steel were a common sight on off-grid farms Blyth, who set up the first battery-charging wind across Scotland. It was a Scottish teacher, James given the prodigious amount of wind that blows electricity. After that, it was the Scots who mechanically turn grinding machines to make to dominate until demand for renewable energy and remote places in the 1930s, particularly in turbine to power his holiday cottage in Maykirk pioneered the idea, perhaps not surprisingly harnessing the power of the wind to technology of the twelfth century in Europe Windmills were the pioneering attached) and turns it into electrical energy swivel to meet the wind at the best angle for wind turbines are based on a Danish model, with starting in the 1970s. Most modern commercial sources put wind energy back on the map, Orkneys in the 1950s. But fossil fuels continued plug wind energy into the grid in places such as the United States. There were also efforts to Kincardineshire, in 1887. Wind generators made they might also generate energy had to wait flour and drive small machines. The idea that spinning drive shaft (to which the blades are main turbine body takes kinetic energy from the harvesting this energy. A generator inside the three light-weight horizontal blades that can Yalta in the 1930s, Vermont in the 1940s, and the needless to say - until the invention of 30-SECOND TEXT NUCLEAR POWER David Boyle Scottish maths teacher who first generated energy from

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for the first American wind turbine, built in Vermont in American geologist responsibil PALMER COSSLETT PUTNAN 900-84 .

floating rigs, harness most recently built or speeds and attract higher offshore wind Offshore wind farms,

